

Recovery Plan Action Status

Plan Name: Cape Fear Shiner

Plan Status: Final

Plan Date: 07-Oct-88

Lead Agency: USFWS

Lead Office: Raleigh Ecological Services Field Office

(919)

856-4520)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Cape Fear shiner (Notropis mekistocholas)	1	1.1	Continue to utilize existing legislation and regulations to protect species and its habitat	Ongoing Current	Prior to FY 1995		U.S. Federal Energy Regulatory Commission, U.S. Army Corps of Engineers, North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program	Management: General, Management: Planning	Internal Administrative	
Cape Fear shiner (Notropis mekistocholas)	2	1.2.1-1.2.2	Meet with local governmental officials and business interests and elicit their support for recovery	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Management: Planning, Other: Information and Education, Research: General	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Cape Fear shiner (Notropis mekistocholas)	1	1.2.3	Develop information and education program and present	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Other: Information and Education, Research: General	Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Task duration: One year to develop program, then continuous. Chatham Conservation Partnership serves as outreach for this task.
Cape Fear shiner (Notropis mekistocholas)	1	1.3.1-1.3.3	Conduct research necessary for species management and recovery; i.e., habitat requirements, biology and threat analysis	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Management: Reintroduction, Other: Information and Education, Other: Regulations, Research: Competition, Research: Demographic Studies, Research: Environmental Contaminants, Research: General, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Migration, Research: Population Assessment, Research: Population Surveys, Research: Predation, Research: Propagation, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Cape Fear shiner (Notropis mekistocholas)	1	1.3.4	Based on biological and threat analysis, investigate need for management and implement where needed	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Management: Planning	Internal Field Assistance, Internal Technical Assistance, Species Expert	Priority 1, 2, or 3 (depending on result of 1.3.1, 1.3.2, and 1.3.3)
Cape Fear shiner (Notropis mekistocholas)	3	1.3.5	Determine number of individuals required to maintain viable population	Partially Complete	Prior to FY 1995	FY 2010	North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Research: General, Research: Habitat Requirements, Research: Management Techniques, Research: Other Information	Contract, Graduate Student, Internal Technical Assistance, Species Expert	Costs unknown
Cape Fear shiner (Notropis mekistocholas)	2	2	Search for additional populations and suitable habitat	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Cape Fear shiner (Notropis mekistocholas)	2	3	Develop techniques, select sites, reintroduce the species back into historic habitat, and evaluate and protect any populations established	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Other, Management: Planning, Management: Predator and Competitor Control, Management: Propagation, Other: Information and Education, Other: Regulations, Research: Competition, Research: Demographic Studies, Research: Environmental Contaminants, Research: General, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Migration, Research: Population Surveys, Research: Predation, Research: Propagation, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Task duration: 3 yrs (protection continues)

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Cape Fear shiner (Notropis mekistocholas)	2	4	Develop and implement a monitoring program	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Research: Population Surveys	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	Task duration: Continuous (biennial)
Cape Fear shiner (Notropis mekistocholas)	3	5	Annually assess recovery program and modify program and plan where required	Ongoing Current	Prior to FY 1995		North Carolina Wildlife Resources Commission, USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, North Carolina Department of Natural Resources and Community Development, North Carolina Natural Heritage Program, North Carolina State Museum	Management: General, Other, Other: Administration, Research, Research: General	Internal Administrative, Internal Technical Assistance, Species Expert	